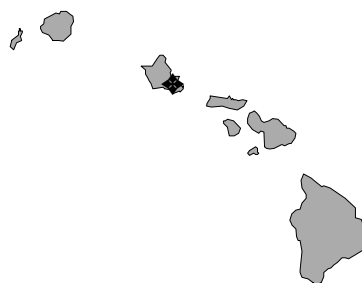


Size: 2,162 acres
Mission: Provide primary fleet support in the Pearl Harbor area
HRS Score: 70.82; placed on NPL in October 1992
IAG Status: Federal Facility Agreement signed in March 1994
Contaminants: VOCs, SVOCs, heavy metals, PCBs, pesticides, petroleum hydrocarbons, and solvents
Media Affected: Groundwater and soil
Funding to Date: \$81.6 million
Estimated Cost to Completion (Completion Year): \$132.4 million (FY2019)
Final Remedy in Place or Response Complete Date for All Sites: FY2013



Pearl Harbor, Hawaii

Restoration Background

The Pearl Harbor Naval Complex consists of six installations: the Fleet and Industrial Supply Center, the Naval Station, the Naval Magazine, the Naval Shipyard, the Public Works Center, and the Inactive Ship Maintenance Detachment. Fuel supply activities, landfills, and other support operations have contaminated the soil and groundwater with volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals.

The installation has conducted environmental investigations and cleanups under CERCLA and RCRA at more than 30 sites since FY83. Between FY91 and FY93, Interim Remedial Actions (IRAs) included excavation of polychlorinated biphenyl (PCB)– and dieldrin-contaminated soil at the Pearl City Junction and excavation of PCB-contaminated soil at transformer locations at the Armed Services Special Educational Training Services School and off-site disposal. Five underground storage tanks and tetrachloroethene-contaminated soil were removed from the Aiea Laundry site (Site 31) in FY94. In FY95, the installation initiated one Site Inspection (SI) and two Remedial Investigations and Feasibility Studies (RI/FSs). Approximately 7,000 cubic yards of soil was excavated, removed, treated by thermal desorption, and backfilled at the Site 22 oily waste disposal pit. Planning began for a full-scale extraction test for groundwater and free product at Site 36. Pilot-scale testing was completed for a soil vapor extraction (SVE) system at Site 31.

A technical review committee (TRC), formed in FY90, was converted to a Restoration Advisory Board (RAB) in FY95. The installation established three information repositories in FY90 and an administrative record in FY92. A community relations plan was completed in FY92 and updated in FY95. Several fact

sheets have been prepared for TRC and RAB meetings.

During FY97, IRAs were initiated at Sites 37 (Building 8) and 46 (Oscar 2 Pier) and completed at Sites 8 (Ford Island Landfill) and 36 (NEX Gas Station). Long-term monitoring (LTM) began at one site. Removal Actions were conducted at Sites 8 and 36. SIs were performed for Sites 40 through 42. The Preliminary Assessment and the SI were finished for Sites 40 and 41. Remedial Actions and RI/FSs were completed. At Site 34, a solvent extraction technology was used to remove PCBs from concrete. PCBs also were removed from contaminated sediment in the catch basin at Site 13. The capping of landfill Site 8 marked completion of cleanup at that site; groundwater monitoring will continue for 5 years. A Removal Site Evaluation (RSE) and a design package were used at Site 45 to address petroleum contamination. The RI/FS for Site 19, the Removal Action design for Sites 4 and 34, and the Site Summary Process for the complex continued.

FY98 Restoration Progress

Fieldwork for the Ford Island Site Summary Report (SSR), which identified 52 PCB transformer locations, the aviation gasoline distribution system, the drainage system/oil-water separator in four structures, a former hazardous waste storage area, and a former indoor firing range as potential areas of concern, concluded, and the draft final SSR was submitted. The regional subsurface oil investigation affecting Sites 20, 21, 23, 24, 25, 29, 35, 36, and 45 is in RI/FS Phase II. Fieldwork for Sites 22 and 27 was completed, and the RI/FS planning documents were implemented for these sites. Final Engineering Evaluation and Cost Analysis (EE/CA) and design documents for Site 4 were completed and the Removal Action began. Draft planning documents for an RSE at Sites 20, 21, and 29 were completed and regulatory comments received.

The Removal Actions at Sites 10 and 45 are being performed through partnership with the Superfund Innovative Technology Evaluation (SITE) program. The Removal Actions at Sites 39 and 42 were completed. The construction for Removal Actions at Sites 37 and 46 was completed, and LTM and long-term operations began. The IRAs for Solid Waste Management Units 1 and 6 were not executed because of lack of funding.

Plan of Action

- In FY99, complete Ford Island SSR, begin Waipio Peninsula SSR, implement Removal Action at Site 31, and continue SVE of chlorinated solvents
- Prepare final planning documents for Sites 20, 21, and 29; begin RSE fieldwork; and prepare EE/CA, Action Memorandum (AM), and design documents in FY99.
- Begin Removal Action for PCB-contaminated soil at Site 34 and complete Treatability Study in FY99
- Initiate implementation of Removal Action for Site 4 in FY99 and complete fieldwork in FY00
- Continue Removal Action at Site 10 with SITE program demonstration of electrokinetics
- Continue Removal Action at Site 45 with SITE program demonstration of product removal technologies and complete EE/CA, AM, and design documents in FY99; begin construction in FY00
- Initiate RSE for Site 43 in FY00

FY99 FUNDING BY PHASE AND RELATIVE RISK

